

MAIN INSTALLATION CHECKLIST

Unless otherwise noted, all code references are to 49CFR Part 192.

If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

Operator: AMEREN ILLINOIS COMPANY	Operator ID#: 32513
Inspection Date(s): 12/1/2015, 12/2/2015, 12/3/2015, 12/4/2015	Man Days: 4
Inspection Unit: Belleville/E. St. Louis	
Location of Audit: Belleville/O'Fallon	
Exit Meeting Contact: Chuck Tebbe	
Inspection Type: Design Testing and Construction	
Pipeline Safety Representative(s): Valerie Schwing	
Company Representative to Receive Report: Michael Fuller	
Company Representative's Email Address: mfuller2@ameren.com	

CONSTRUCTION INFORMATION		
Location of Construction: The new St. Elizabeth's Hospital in O'Fallon.	Construction Performed By: Ameren Illinois	
Contractor Foreman:		
Operator Inspector:		
Person(s) On Job Site		
Cory Duncan	Nate Shosky	Tommy Lee
Mark Kistner	Jim Tylka	
Description of Construction: Ameren Illinois crew retired approximately 200 feet of 4 inch PE main and installed approximately 200 feet of 4 inch PE main at a lower depth. Directional boring was utilized. The main was retired and a new section was installed at a lower to a depth of 6 feet. This was done due to the construction of the new St. Elizabeth's Hospital in O'Fallon.		

MAIN INSTALLATION		Status
[192.55]	Steel	No
[192.59]	PE	Yes
[192.59]	Other	No
[192.5]	Class location :	Class 2
[192.619,192.621,192.623]	MAOP	60 PSI
[192.63]	Pipe Size :	4 inches

MAIN INSTALLATION CHECKLIST

Unless otherwise noted, all code references are to 49CFR Part 192.

If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

[192.55,192.59]	Specification :	ASTM 2513
[192.55,192.59]	Manufacturer :	DriscoPlex
[192.55,192.59]	Pipe Grade :	2406
[192.55,192.59]	Wall Thickness :	DR 11
[192.63(a)(2)]	Are pipe, valves, and fittings properly marked for identification?	Satisfactory
[192.227]	Date of Welder qualification:	Not Applicable
<u>General Comment:</u> Metallic pipe was not installed or exposed.		
[192.227]	Welder's Name:	Not Applicable
<u>General Comment:</u> Metallic pipe was not installed or exposed.		
[192.225,192.275,192.277,192.279,192.283]	Is pipe joined in accordance with approved written procedures?	Satisfactory
<u>General Comment:</u> Staff observed the joiner making electrofusions and butt fusions in accordance to the operator's POL Y 2.05 and 2.04 procedures. Staff observed the Ameren crew squeeze off of the 4 inch main in accordance to the POL Y 2.02 procedures.		
[192.285]	Date of Plastic Joining Qualification :	March 11, 2015
[192.285]	Joiner's name:	Cory Duncan
[192.455]	Is buried metallic pipe coated?	Not Applicable
<u>General Comment:</u> Metallic pipe was not installed or exposed.		
[192.461]	Does coating meet 192.461?	Not Applicable
<u>General Comment:</u> Metallic pipe was not installed or exposed.		
[192.455(a)(1)]	Is cathodic protection being provided?	Not Applicable
<u>General Comment:</u> Metallic pipe was not installed or exposed.		
[192.455(a)(1)]	Is cathodic protection being provided? By Anodes:	No
<u>General Comment:</u> Metallic pipe was not installed or exposed.		
[192.455(a)(1)]	Is cathodic protection being provided? By Rectifier:	No
<u>General Comment:</u> Metallic pipe was not installed or exposed.		

MAIN INSTALLATION CHECKLIST

Unless otherwise noted, all code references are to 49CFR Part 192.

If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

[192.461(c)]	Is coating inspected just prior to being installed in the ditch?	Not Applicable
General Comment: Metallic pipe was not installed or exposed.		
[192.467]	Are pipelines electrically isolated from other underground metallic structures?	Not Applicable
General Comment: Metallic pipe was not installed or exposed.		
[192.479]	Are above ground facilities cleaned and coated or jacketed as needed?	Not Applicable
General Comment: Metallic pipe was not installed or exposed.		
[192.303]	Are comprehensive written construction specifications available and adhered to?	Satisfactory
General Comment: Staff reviewed the construction procedures for the project.		
[192.305]	Are inspections performed by the operator to check adherence to the construction specifications?	Satisfactory
General Comment: Staff reviewed the construction procedures for the project and the MAIN 3.12 procedures.		
[192.307]	Is material being visually inspected at the site of installation to ensure against damage that could impair its serviceability?	Satisfactory
General Comment: Staff observed the pipe being visually inspected.		
[192.319]	Is ditch back-filled to provide firm support and prevent damage to pipe or coating?	Satisfactory
General Comment: Staff observed the back fill and support with the use of soil was examined by the gas personnel to be free of debris materials that could damage the pipe or its coating.		
[192.321(c)]	Is plastic pipe installed as to minimize shear and tensile forces?	Satisfactory
General Comment: Staff observed the Ameren personnel install the gas main in accordance to the operator's MAIN 1 procedures to minimize shear forces.		
[192.321(e)]	Does plastic pipe have means of locating while underground?	Satisfactory
General Comment: Staff observed the Ameren crew install a coated tracer wire in accordance to the operator's POLY 1 procedures.		
[192.325]	Are required clearances from underground structures being	Satisfactory

MAIN INSTALLATION CHECKLIST

Unless otherwise noted, all code references are to 49CFR Part 192.

If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

	maintained?	
<u>General Comment:</u>		
Staff observed the main installed at depth of 6 feet with the use of a boring machine.		
[192.327]	Is required cover being obtained appropriate to type of pipeline and location?	Satisfactory
<u>General Comment:</u>		
Staff observed the main installed at depth of 6 feet with the use of a boring machine.		
[192.503]	Are general testing requirements being met?	Not Applicable
<u>General Comment:</u>		
Pressure testing did not take place while Staff was on site.		
[192.517]	Are records being made of strength and leak tests?	Not Applicable
<u>General Comment:</u>		
Pressure testing did not take place while Staff was on site.		
[192.807]	Were covered employees Operator Qualification records reviewed to ensure qualification?	Satisfactory
<u>General Comment:</u>		
Staff reviewed the qualifications of the joiner/ journeyman Cory Duncan to ensure the span of control limitations were followed and non-qualified personnel were being directed.		
[192.805(c)]	Were non-qualified personnel being directed and observed by a qualified individual?	Satisfactory
<u>General Comment:</u>		
Staff reviewed the qualifications of the joiner/ journeyman Cory Duncan to ensure the span of control limitations were followed and non-qualified personnel were being directed.		
[192.805(c)]	Were span of control limitations being followed?	Satisfactory
<u>General Comment:</u>		
Staff reviewed the qualifications of the joiner/ journeyman Cory Duncan to ensure the span of control limitations were followed and non-qualified personnel were being directed.		
Was a Protocol 9 (Form 15) Completed?		No
[192.614]	Were One Call Notifications performed as required?	Satisfactory
<u>General Comment:</u>		
Staff reviewed the dig ticket number X003240447 with a dig start date of 11/24/15 09:45 and expiration date of 12/17/15 23:59. Staff observed markings in accordance to the dig ticket.		
[192.614]	Dig Ticket #	X003240447
[192.751]	Are adequate steps taken to minimize the potential for accidental ignition?	Satisfactory
<u>General Comment:</u>		

MAIN INSTALLATION CHECKLIST

Unless otherwise noted, all code references are to 49CFR Part 192.

If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

Staff observed an EFV installed in accordance with the operator's SERV 2.02 procedures.

[192.719(b)]

Was each repair made by welding to a transmission line made in accordance with 192.713, 192.715, and 192.717 and examined in accordance with 192.241?

Not Applicable

General Comment:

A transmission pipeline was not exposed or installed.

MAIN INSTALLATION CHECKLIST

Unless otherwise noted, all code references are to 49CFR Part 192.

If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.